

**AFRICA ENVIRONMENT INFORMATION NETWORK**  
**ASSESSMENT OF INFORMATION MANAGEMENT CAPACITY**  
**AND DATA RESOURCES**

**Inventory Questionnaire Part 1:**  
**NETWORKING AND INFORMATION MANAGEMENT CAPACITY**

*This questionnaire is part of an assessment of the status of environmental information management and networking capacity in Africa. It will serve as the basis for establishing a comprehensive inventory on environmental information resources as part of the development of a data foundation in support of environmental reporting processes. Your responses to the questions below will assist in establishing the current status of environmental information networking in your country, and the needs that have to be addressed in order to make environmental information management and networking more functional and efficient in your country, within the framework of the Africa Environment Information Network (AEIN).*

*One copy of this form should be completed per organisation or unit within the organisation as may be appropriate.*

**Section 1: Contact Details**

1. **Name of person completing questionnaire:** *Moheeb Abdl-Sattar Ebrahim*
2. **Tel**(Country-City-Number)*(202)5256452*
3. **Email:** *moheebstatar@eeaa.gov.eg*
4. **Name of organisation:** *Egyptian Environmental Affairs Agency*
5. **Acronym:**
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8. **Tel** (Country-City-Number) *(202)5256452*
9. **Fax** (Country-City-Number)*(202)5256490*
10. **Email:** *:moheebstatar@eeaa.gov.eg*
11. **Web site:** *www.eeaa.gov.eg*
12. **Head of organisation:***(Prof./Dr./Mr./Mrs./Ms.) Dr.*
13. **Designation:***Mohamed Sayed Khalil*
14. **Direct Tel. No.** (Country-City-Number)*(202)5256445*
15. **Email:***khalil@eeaa.gov.eg*

**Section 2: Networking and Partnerships**

1. **How could your organisation contribute most effectively to AEIN?**
  - a) Establish a national network with all the governmental agencies concerned with environmental data collection
  - b) Issue the national state of environment report.
  - c) Access the African environmental information network to share, disseminate and exchange environmental information between the concerned thirteen African countries.
2. **What are the three key things that you would expect from AEIN?**
  - a) To build capacity for using information management tools and methodology for producing or packaging information.
  - b) To develop information management tools and collect data from existing data sources.
  - c) To strengthen networking (data/information exchange), knowledge/expertise sharing at the national and sub regional level.

3. *Please provide details of the environment and sustainable development information networks, steering groups or committees with which your organisation is involved:*

Network, steering group or committee	Coordinate	Facilitate	Participate	Support
a) Blue Plan Project	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) CAPMAS	<input type="checkbox"/>	<input type="checkbox"/>	✓	
c) CEDARE	✓	<input type="checkbox"/>	✓	<input type="checkbox"/>
d) IDSC	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. *Estimate how many organisations regularly provide data or information to your organisation. Provide details of the most important of these as follows:*

Organisation	Data or information provided	Formal agreement/MoU	
a) Ministry Of Health	Environmental Indicators	<input type="checkbox"/> yes	✓no
b) Ministry Of Agriculture And Land Reclamation	Environmental Indicators	<input type="checkbox"/> yes	✓no
c) Ministry Of Water Resources And Irrigation	Environmental Indicators	<input type="checkbox"/> yes	✓no

5. *Estimate how many organisations regularly receive data or information from your organisation. Provide details of the most important of these as follows:*

Organisation	Data or information received	Formal agreement/MoU	
a) Information And Decision Support Center (IDSC)	statistical data	✓ yes	<input type="checkbox"/> no
b) CAPMAS	statistical data	<input type="checkbox"/> yes	✓no
c) Ministry of communication and information technology	statistical data	✓ yes	<input type="checkbox"/> no
d) CEDARE	environmental data	✓ yes	<input type="checkbox"/> no
e) Ministry Of Agriculture And Land Reclamation	environmental data	<input type="checkbox"/> yes	✓ no

6. *Your organisation may also share other resources, for example expertise and facilities. Provide details of the most important of these as follows:*

Organisation	Nature of cooperation	Formal agreement/MoU	
a) Ministry Of Agriculture And Land Reclamation	Expertise	<input type="checkbox"/> yes	✓no
b) Information And Decision Support Center (IDSC)	Facilities	✓yes	<input type="checkbox"/> no
c) Ministry of communication and information technology	Expertise	✓yes	<input type="checkbox"/> no
d) CEDARE	Facilities	✓yes	<input type="checkbox"/> no
e) CAPMAS	Facilities	<input type="checkbox"/> yes	✓ no

7. *Please provide details of any partnerships that are being planned in the near future:*

Organisation	Proposed cooperation
a) National authority for remote sensing and space sciences	Training and purchasing satellite images
b) UNDP	To design a web site to enhance environmental knowledge for undergraduate students

### Section 3: Institutional Description

1. **Which of the following best describes your organisation (tick all that may apply)?**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Governmental | <input type="checkbox"/> Local authority |
| <input type="checkbox"/> Semi-governmental       | <input type="checkbox"/> Private         |
| <input type="checkbox"/> Academic                | <input type="checkbox"/> Research        |
| <input type="checkbox"/> Non-governmental        | <input type="checkbox"/> Non-profit      |
| <input type="checkbox"/> Other (please specify): |  |

2. **What is the mandate of your organisation (add extra sheets if necessary)?**

- Formulating environmental policies
- Preparing the necessary plans for environmental protection and environmental development projects, following up their implementation, and undertaking pilot projects.
- The agency is the national authority in charge of promoting environmental relations between Egypt and other states, as well as regional and international organizations.

3. **At what levels does your organisation operate (tick all that may apply)?**

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> International           | <input type="checkbox"/> Sub-regional            | <input checked="" type="checkbox"/> National   |
| <input type="checkbox"/> State (or similar)      | <input type="checkbox"/> Provincial (or similar) | <input type="checkbox"/> District (or similar) |
| <input type="checkbox"/> Local government (City) | <input type="checkbox"/> Other (please specify): |  |

4. **Is your organisation providing information to support any the following (please tick all that may apply):**

**National Plans and Strategies**

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> National Environmental Action Plan  | <input checked="" type="checkbox"/> National Conservation Strategy             |
| <input checked="" type="checkbox"/> Integrated Coastal Management Plans | <input checked="" type="checkbox"/> Soil Conservation Management Plans         |
| <input checked="" type="checkbox"/> Sustainable Forest Management Plans | <input checked="" type="checkbox"/> Integrated Water Resource Management Plans |
| <input type="checkbox"/> Other (please specify)                         |  |

5. **Regional/sub-regional agreements and International Conventions:**

- |   |  |
|---|--|
| <input type="checkbox"/> Lusaka Agreement                                   | <input type="checkbox"/> Nairobi Convention  |
| <input type="checkbox"/> Abidjan Convention                                 | <input checked="" type="checkbox"/> Bamako Convention                                  |
| <input type="checkbox"/> Algiers Convention                                 | <input type="checkbox"/> Agenda 21   |
| <input checked="" type="checkbox"/> Convention on Wetlands                  | <input checked="" type="checkbox"/> Convention on Biological Diversity                 |
| <input checked="" type="checkbox"/> Framework Convention on Climate Change  | <input checked="" type="checkbox"/> Convention to Combat Desertification               |
| <input checked="" type="checkbox"/> Migratory Species of Wild Animals       | <input checked="" type="checkbox"/> CITES <sup>1</sup>                                 |
| <input checked="" type="checkbox"/> International Tropical Timber Agreement | <input checked="" type="checkbox"/> Convention on the Prior Informed Consent Procedure |
| <input checked="" type="checkbox"/> Convention on the Law of the Sea        | <input type="checkbox"/> Habitat Agenda  |
| <input checked="" type="checkbox"/> Kyoto Protocol                          | <input checked="" type="checkbox"/> Montreal Protocol                                  |
| <input checked="" type="checkbox"/> Persistent Organic Pollutants           | <input type="checkbox"/> Other (please specify)  |

<sup>1</sup> Convention on International Trade in Endangered Species of Wild Fauna and Flora

6. Please indicate any other programmes or projects that your organisation reports to, which may be relevant to this survey:

- a) none
- b)
- c)

#### Section 4: Information Management

1. What are your organisation's/unit's core environmental information management functions (please tick all that may apply)?

- |  |  |
|--|--|
| <input type="checkbox"/> Data gathering                              | <input type="checkbox"/> Reporting                                 |
| <input type="checkbox"/> Data collation                              | <input type="checkbox"/> Data warehousing                          |
| <input type="checkbox"/> Library and archiving                       | <input type="checkbox"/> Dissemination                             |
| <input checked="" type="checkbox"/> Data interpretation and analysis | <input checked="" type="checkbox"/> Visualisation/Decision-Support |
| <input type="checkbox"/> Other (please specify)                      |  |

2. What is the geographic coverage for these activities (please tick all that may apply)?

- |  |  |
|--|--|
| <input type="checkbox"/> Sub-regional            | <input type="checkbox"/> Trans-boundary          |
| <input checked="" type="checkbox"/> National     | <input type="checkbox"/> State (or similar)      |
| <input type="checkbox"/> Provincial (or similar) | <input type="checkbox"/> District (or similar)   |
| <input type="checkbox"/> Local                   | <input type="checkbox"/> Other (please specify): |

3. Who are the major users of your environmental information (please tick all that may apply)?

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> My organisation (internal) | <input checked="" type="checkbox"/> National government |
| <input type="checkbox"/> International agencies                | <input type="checkbox"/> Private sector                 |
| <input type="checkbox"/> Provincial/district administration    | <input type="checkbox"/> Non-governmental organisations |
| <input type="checkbox"/> Other (please specify)                |   |

4. Does your organisation have an information strategy?  yes  no

5. Does your organisation have a data policy or mechanism, including data exchange?  yes  no

6. How does your organisation grant access to environmental information?

- |   |   |
|---|---|
| <input type="checkbox"/> Unrestricted public access   | <input type="checkbox"/> Unavailable for external use |
| <input checked="" type="checkbox"/> Limited by policy | <input type="checkbox"/> Adhoc/informal/selective     |
| <input type="checkbox"/> By individual request        | <input type="checkbox"/> Other (please specify) ..... |

7. Where access is granted what policy applies (tick one)?

- |   |  |
|---|--|
| <input type="checkbox"/> Charged at market value  | <input type="checkbox"/> Charged on full cost-recovery basis |
| <input type="checkbox"/> Charged at cost of media | <input type="checkbox"/> Adhoc                               |
| <input type="checkbox"/> Free to most             | <input checked="" type="checkbox"/> Free to all              |
| <input type="checkbox"/> Other (please specify)   |  |

8. *Where access is granted, in what formats are the data available (please tick all that may apply)?*

- Hardcopy                       Floppy disk                       CD-ROM                       Email  
 Internet (FTP)                       Magnetic tape                       DAT                       Private network  
 Other (please specify):

9. *Has the information/data been fully documented to assist external users?*     yes                       no

10. *What are the main uses of the data/information you provide?*

- Decision support                       Planning/zoning                       Operations  
 Management                       Policy formulation                       Licensing  
 Monitoring compliance                       Enforcement of regulations                       Research  
 Other (please specify)

11. *Indicate whether your organisation/unit manages or uses/needs any of the following information in fulfilling its functions:*

		Manages	Uses	Needs
a) <b>Land use</b>	Forestry	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Agriculture/livestock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Fisheries	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Nature conservation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Tourism	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Water	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Mining	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Energy	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Transport	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Urban planning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (please specify): _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) <b>Ecosystems</b>	Forest	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Woodland/scrub	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Grassland	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Freshwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Coastal and marine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Dryland/desert	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Highland/mountain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (please specify): _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) <b>Species/genes</b>	Mammals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Birds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Reptiles/amphibians	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Fish	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Insects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Other invertebrates	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Plants (higher/lower)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Other (please specify): corals _____		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
d) <b>Social/economic</b>	Sustainable development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Land tenure and property	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Demography and population	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Policies, plans and laws	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Public administration and governance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Trade and industry	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (please specify): _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

e) <b>Physical features</b>	Hydrology	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Geology	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Soils	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Topography	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Climate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Other (please specify): _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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### Section 5: Capacity in Environmental Information Management

1. How many staff members in your organisation/unit are trained in the following areas at the levels indicated?

	Post graduate	Graduate	Diploma	Short course	Total
a) Data collection/monitoring					
b) Data entry/quality-assurance		2			2
c) Data analysis	2	3			5
d) Technical writing		1			1
e) Graphic design/publishing		2			2
f) Communications		4			4
g) Management information systems		6			6
h) Geographic information systems		2			2
i) Remote sensing	1	2			3
j) Database development	1	2			3
k) Systems management		4			4
l) Internet access/web-site		1			1
m) Other technical assistance					

2. Which are the top three areas of environmental information management skills would you like to add to you staff?

- Performance Tuning
- 
-

### Section 6: Computing Environment and Communication

This section should be completed by your systems administrator.

Name: Khalid Hassan Sadek

E-mail: kh\_sadek@hotmail.com

1. Indicate what facilities your organisation owns or has access to — in good working order. (Please tick all that may apply):

a) Computers

System <sup>2</sup>	Operating System	Number	Processor	Memory	Hard Disk Capacity
Server	Windows 2000 Server	4	Intel – Xeon	1.G.B.	2*36 G.B., 4*73 G.B. / 3*36 G.B.
Server	Windows 2000 Server	9	PII – PIII	256 - 512 M.B.	2*9 G.B. / 5*18 G.B.
Server	Windows 2000 Server	1	PIV	512 M.B.	3*36 G.B.
Workstation	Windows 2000 Server / prof.	7	PIII	256 – 512 M.B	2*9 G.B. , 1*36 G.B.
Desktop	Windows 2000 Professional	450	PII/PIII/PIV	32 - 128 M.B.	6 - 40 G.B.
Laptop	Windows 2000 professional	25	PII/PIII/PIV	128 – 256 M.B.	4 - 30 G.B.

2. Local Area Network

yes  no Number of users: 450

Network Operating System:

**Windows XP/2000 /NT Server**

yes  no

Novell NetWare

yes  no

UNIX

yes  no Version:

Linux

yes  no Distribution:

Other (please specify): \_\_\_\_\_

3. Telecommunication and networking

Telephone

yes  no

Fax

yes  no

total: 1

Do staff members have individual e-mail accounts

yes  no

total: 33

Internet access points

yes  no

total: 200

4. Internet access and bandwidth

Dial-up (normal phone line)

yes

no

Max. Speed:

Dial-up (ISDN)

yes

no

Dial-up (DSL)

yes

no

Type:

Direct access (leased line)

yes

no

Data Rate : 256 kb/s

Fibre optic network

yes

no

Microwave/Radio link

yes

no

Satellite link

yes

no

5. Data input/output

Digitising tables

yes

no

total/size: 6 / A0

Scanners

yes

no

total/size: 2 / A0 , 2 / A4

Plotters

yes

no

total/size: 4 / A0

Laser printers

yes

no

total/size: 200 / A3 and A4

Colour printers

yes

no

total: 8 A3 and A4

Other (please specify): \_\_\_\_\_

\_\_\_\_\_

<sup>2</sup> Please indicate if Server, Workstation, Desktop or Laptop

6. **Applications software**
- |                       |   |                             |                            |
|-----------------------|---|-----------------------------|----------------------------|
| Office productivity   | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no | type/version: MS Office XP |
| Desktop publishing    | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no | users: 2                   |
| Graphics/presentation | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |                            |
| HTML editing          | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no | type: front page/ Interdev |
| Internet client       | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no | type/version: Iexplorer 5  |
| Web server            | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no | type/version: IIS / 5      |
| Statistical/modelling | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no | users: 2                   |

Other (please specify): \_\_\_\_\_  
 \_\_\_\_\_

7. **Database management systems**

- |        |   |  |           |
|--------|---|--|-----------|
| Access | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no            | users: 30 |
| xBASE  | <input type="checkbox"/> yes            | <input checked="" type="checkbox"/> no | users:    |
| Oracle | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no            | users: 45 |

Other (please specify): \_\_\_\_\_

8. **Geo-data processing**

- |                                 |   |                             |           |
|---------------------------------|---|-----------------------------|-----------|
| GIS                             | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no | users: 20 |
| Mapping                         | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no | users: 10 |
| Image processing                | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no | users: 6  |
| Global Position System services | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no | users: 20 |

Other (please specify): \_\_\_\_\_

9. **Communication/Groupware**

- |  |   |  |                             |
|--|---|--|-----------------------------|
| Directory services (shared address book, staff lists etc.) | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no            | users: 400 Win2000 Server   |
| Shared calendar (meeting schedules, events etc.)           | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no            | users: 10 name/version:     |
| News   | <input type="checkbox"/> yes            | <input checked="" type="checkbox"/> no | users: name/version:        |
| Lists with publications, projects, reports, datasets etc.  | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no            | users: 10 name/version: IIH |

Other (please specify): \_\_\_\_\_

10. **Miscellaneous**

- |                   |   |                             |             |
|-------------------|---|-----------------------------|-------------|
| Library           | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no | books: 7000 |
| Photocopier       | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no | total: 2    |
| In-house printing | <input type="checkbox"/> yes            | <input type="checkbox"/> no |             |

Other (please specify): \_\_\_\_\_  
 \_\_\_\_\_

11. **In the order of priorities, which are the three facilities that your organisation most needs to acquire or strengthen (please add extra sheets if necessary)?**

- Building an information network incorporating all our relevant participants in Egypt
- Supporting the network infrastructure
- Capacity Building

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**Section 7: External Communication**

1. **Does your organisation use any of the following external information sources/services regularly? If yes, which one(s) and how often (e.g. 5 times a week)?**

- |   |   |                             |
|---|---|-----------------------------|
| a) Web sites and gateways of national and international organisations | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |
| Source/service: www.unep.org .....                                    | Frequency: 5 .....                      |                             |
| Source/service: www.epa.gov .....                                     | Frequency: 5 .....                      |                             |
| Source/service: www.who.int/en.....                                   | Frequency: 5 .....                      |                             |

- b) Newsgroups, discussion forums:  yes  no  
Service:.....Frequency:.....  
Service:.....Frequency:.....  
Service:.....Frequency:.....
- c) Search engines, directory services or metadata indices  yes  no  
Service:hazard.com/msds.....Frequency: 5.....  
Service:.....Frequency:.....  
Service:.....Frequency:.....

2. ***In which format do you mainly retrieve information from the internet? Please state percentages of total information retrieval?***

- Texts, reports
- Tables, charts
- Cartographic data, maps (editable or non editable)
- GIS or remote sensing data sets 8fully processed or for further processing
- Other (please specify): \_\_\_\_\_

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**ASSESSMENT OF INFORMATION MANAGEMENT CAPACITY**  
**AND DATA RESOURCES**

**Inventory Questionnaire Part 2:**  
**ASSESSMENT OF DATA AND INFORMATION RESOURCES**

*This questionnaire is part of an assessment of the status of environmental information management and networking capacity in Africa. It will serve as the basis for establishing a comprehensive inventory on environmental information resources as part of the development of a data foundation in support of environmental reporting processes. Your responses to the questions below will assist in establishing the current status of environmental information networking in your country, and the needs that have to be addressed in order to make environmental information management and networking more functional and efficient in your country, within the framework of the Africa Environment Information Network.*

*One copy of this form should be completed per organisation or unit within the organisation as may be appropriate.*

**Section 1: Contact Details**

1. **Contact person: Moheeb Abdul-Sattar Ebrahim**      2. **Position: General Director of Systems, Programs and Operation**
2. **Tel (Country-City-Number)(202)5256452**      3. **Email: moheeb\_sattar@eeaa.gov.eg**

**Section 2: Data/Information Sources**

1. **What is the source of data/information (tick all that may apply):**

- |   |   |
|---|---|
| <input type="checkbox"/> Primary research                             | <input checked="" type="checkbox"/> Routine data collection |
| <input checked="" type="checkbox"/> Acquired from other organisations | <input type="checkbox"/> Public domain                      |
| <input type="checkbox"/> Mixture                                      | <input type="checkbox"/> Other (please specify):            |

2. **If not primary research, please indicate the original source(s):**

3. **Form/type of data (tick all that may apply):**

- | <b>Hard-copy formats:</b>                              | <b>Audio-visual formats:</b>                         | <b>Electronic formats:</b>                                  | <b>Other:</b>                                |
|--|--|---|--|
| <input checked="" type="checkbox"/> Books/reports      | <input checked="" type="checkbox"/> Sound recordings | <input checked="" type="checkbox"/> Word processor files    | <input type="checkbox"/> Mixture             |
| <input checked="" type="checkbox"/> Forms/notes/tables | <input checked="" type="checkbox"/> Photographs      | <input checked="" type="checkbox"/> Spreadsheet             | <input type="checkbox"/> Other digital files |
| <input checked="" type="checkbox"/> Pictures           | <input checked="" type="checkbox"/> Video/film       | <input checked="" type="checkbox"/> Database                | Please specify:                              |
| <input type="checkbox"/> Card index                    |  | <input checked="" type="checkbox"/> GIS coverage            |  |
| <input checked="" type="checkbox"/> Maps               |  | <input checked="" type="checkbox"/> Remotely sensed imagery |  |

**Other (please specify):**

4. **What do you consider to be the limitations of your data/information for environmental management and sustainable development planning? (Tick all that may apply):**

- |   |  |  |
|---|--|--|
| <input checked="" type="checkbox"/> Age of data set | <input checked="" type="checkbox"/> Scale            | <input checked="" type="checkbox"/> Resolution |
| <input checked="" type="checkbox"/> Completeness    | <input checked="" type="checkbox"/> Quality/Accuracy |  |

---

**Section 3: Access Procedures****1. Which of the following best describes access to the data (tick one)?**

- Unrestricted       Restricted to some  
 Restricted to most     Unavailable for external use

**2. Where access is provided, which of the following applies (tick one)?**

- Free                       Free to most                       Free to some                       Charged

**3. Where charges are made, how are these determined (optionally tick one)?**

- Cost recovery           Cost plus overhead           Market value

**4. Where access is provided, in what formats are the data available (tick any which apply)?**

- Hardcopy               Floppy disk                       CD-ROM                       Email  
 Internet (FTP)         Magnetic tape                       DAT                               Private network

Other (please specify):

**5. Has the dataset been documented for external users?     yes                       no****6. Where access is provided, briefly describe the recommended access procedures:**

1. The requesting individual / firm submits a written request regarding the specified dataset.
2. This request should be approved by the head of Information And Computer Center.
3. The required dataset is handled to the requesting individual / firm in the suitable media.

**Section 4: Data Sets**

1. Please complete the following table for **digital** data sets held by your institution. Make copies of the table and use for data themes with many variables (e.g., climate, soils, etc.) and information not indicated here.

TYPE OF DATA	THEME/PARAMETER	SOURCE FORMAT	COVERAGE				FREQUENCY	LAST UPDATE	SCALE(S)	PRODUCT FORMAT			
			LOC	PROV	NAT'L	OTH				<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Physiography/Topography	Contour Shape file / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other			<input checked="" type="checkbox"/>		No	2000	1M	<input checked="" type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
	Spot Shape file / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input checked="" type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Soils		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Surface geology	Coverage / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other					No	1999	250K	<input checked="" type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Structural geology	Coverage / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other					No	1999	250K	<input checked="" type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Climate		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other

TYPE OF DATA	THEME/PARAMETER	SOURCE FORMAT	COVERAGE				FREQUENCY	LAST UPDATE	SCALE(S)	PRODUCT FORMAT			
			LOC	PROV	NAT'L	OTH				<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other	
Surface water		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other	
Wetlands		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other	
Groundwater		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other	
Hydro-geology	Coverage / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other		<input checked="" type="checkbox"/>			NO	1999	2 million	<input checked="" type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Satellite imagery	1- Spot5 multispectral	<input type="checkbox"/> Map <input type="checkbox"/> Tables <input checked="" type="checkbox"/> Other		<input checked="" type="checkbox"/>			NO	1997 2002	Resolution 20 Meters	<input checked="" type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
	2- Spot5 panchromatic	<input type="checkbox"/> Map <input type="checkbox"/> Tables <input checked="" type="checkbox"/> Other						1997 2002	1:50000 20 m	<input checked="" type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
	3- Utm TM Multispectral	<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other		<input checked="" type="checkbox"/>			NO	1982 1998	1: 100000 30 m	<input checked="" type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Aerial photographs		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other

TYPE OF DATA	THEME/PARAMETER	SOURCE FORMAT	COVERAGE				FREQUENCY	LAST UPDATE	SCALE(S)	PRODUCT FORMAT		
			LOC	PROV	NAT'L	OTH				<input type="checkbox"/> Map	<input type="checkbox"/> Tables	
Fisheries		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables		
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Reports	<input type="checkbox"/> Other		
Land cover	Greater Cairo / Geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other	<input checked="" type="checkbox"/>					2002	1:50k	<input checked="" type="checkbox"/> Map	<input type="checkbox"/> Tables	
Land use	Greater Cairo / Geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other	<input checked="" type="checkbox"/>					2002	1:50k	<input checked="" type="checkbox"/> Reports	<input type="checkbox"/> Other	
Land capability		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Reports	<input type="checkbox"/> Other	
Forestry		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Reports	<input type="checkbox"/> Other	
Wildlife		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Reports	<input type="checkbox"/> Other	
Population	Shape / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other			<input checked="" type="checkbox"/>			NO	1996	50k	<input checked="" type="checkbox"/> Map	<input type="checkbox"/> Tables
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other									<input checked="" type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other									<input type="checkbox"/> Map	<input type="checkbox"/> Tables
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other									<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Roads	Shape / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other			<input checked="" type="checkbox"/>			NO	1985	250k	<input checked="" type="checkbox"/> Map	<input type="checkbox"/> Tables
											<input checked="" type="checkbox"/> Reports	<input type="checkbox"/> Other

TYPE OF DATA	THEME/PARAMETER	SOURCE FORMAT	COVERAGE				FREQUENCY	LAST UPDATE	SCALE(S)	PRODUCT FORMAT	
			LOC	PROV	NAT'L	OTH					
Railroads	Coverage / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other		<input checked="" type="checkbox"/>			NO	1999	250k	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
Boundaries	Shape / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other			<input checked="" type="checkbox"/>		NO	1996	50k	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
	Shape / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other		<input checked="" type="checkbox"/>			NO	1996	50k	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
	Shape / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other	<input checked="" type="checkbox"/>				NO	1996	50k	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
District capitals	Shape / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other					NO	1996	50k	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
Major settlements		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other			<input checked="" type="checkbox"/>					<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
Urban areas	Shape / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other					NO	1999	250k	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
Region capitals		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
Crop types/distribution	Rice production in wadi and delta / geographic	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other		<input checked="" type="checkbox"/>			YES	2004	50k	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input checked="" type="checkbox"/> Reports <input type="checkbox"/> Other	

TYPE OF DATA	THEME/PARAMETER	SOURCE FORMAT	COVERAGE				FREQUENCY	LAST UPDATE	SCALE(S)	PRODUCT FORMAT	
			LOC	PROV	NAT'L	OTH					
Crop production	Wheat production Governorate Shape / geographic	<input type="checkbox"/> Map <input checked="" type="checkbox"/> Tables <input type="checkbox"/> Other								<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input checked="" type="checkbox"/> Reports <input type="checkbox"/> Other	
Livestock distribution		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
Species distribution		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
Ecosystems	Shape red sea	<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
Tourism	Shape	<input checked="" type="checkbox"/> Map <input checked="" type="checkbox"/> Tables <input type="checkbox"/> Other	<input checked="" type="checkbox"/>				NO	1996	50k	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
Water	Shape	<input checked="" type="checkbox"/> Map <input checked="" type="checkbox"/> Tables <input type="checkbox"/> Other	<input checked="" type="checkbox"/>				NO	1996	50k	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
Pollution	Shape	<input checked="" type="checkbox"/> Map <input checked="" type="checkbox"/> Tables <input type="checkbox"/> Other	<input checked="" type="checkbox"/>				NO	1996	50k	<input checked="" type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Reports <input type="checkbox"/> Other	

*Annex 2*

2. Please list and describe ***non-digital*** data/information sources and products available:

A list of the library contents can be review